

Application # **10/534,624**

Attorney Docket # 1017-018

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Spillman, William B., Jr.  
Application # : 10/534,624  
Confirmation # : Not yet assigned  
Filed : 11 May 2005  
Application Title : System, Device, and Method for Detecting Perturbations  
Art Unit # : Not yet assigned  
Latest Examiner : Not yet assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Mail Stop Amendment  
Commissioner for Patents  
United States Patent and Trademark Office (USPTO)  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the USPTO is hereby directed to the attached listing of documents and/or the attached Declaration. Unless otherwise indicated herein, one copy of each listed document is attached.

It is respectfully requested that the listed documents:

- (1) be expressly considered during the prosecution of this application;
- (2) be made of record therein; and
- (3) appear among the "References Cited" on any patent to issue therefrom.

The following marked paragraphs are applicable in this IDS.

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## CERTIFICATE OF EXPRESS MAILING

Express Mail Mailing Label Number: EV 564482508 US

Date of Deposit: 25 July 2005

Pursuant to 37 C.F.R. § 1.10, I certify that I am personally depositing the following paper(s) or fee(s) with the "Express Mail Post Office to Addressee" service of the United States Postal Service on the above date in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450

Stamped, self-addressed postcard for USPTO receipt stamp (1 card)

Information Disclosure Statement (4 sheets)

Form PTO-1449 (2 sheets)

Copy of International Search Report for corresponding PCT

Application No. PCT/US03/36680 (4 sheets)

3 Non-Patent Literature documents (28 sheets)

Application Number 10/534,624  
Confirmation No.: Not Yet Assigned  
Filing Date: 11 May 2005  
Document Submission Date: 25 July 2005

Art Unit: Not Yet Assigned  
Examiner: Not Yet Assigned  
Inventor: Spillman, William B.  
Docket: 1017-018

25 Jul 2005

Date

Eden Brown

Name of Certifier



Signature of Certifier

**Timing of this IDS:**

- ☒ **A.** This IDS is being filed per 37 CFR 1.97(b)
- ☐ (1): within 3 months of the U.S. filing date other than a CPA under 1.53(d);
- ☒ (2): within 3 months of the date of entry of the national stage as set forth in 1.491 in an international application;
- ☐ (3): before the mailing date of a first Office Action on the merits; **OR**
- ☐ (4): before the mailing date of a first Office Action associated with a request for continued examination (RCE) under 1.114;

**AND**, thus, no certification or fee is required.

- ☐ **B.** This IDS is being filed per 37 CFR 1.97(c), **AFTER** the period specified in 37 CFR 1.97(b) [section **A** of this IDS], and **BEFORE**:
- (a) the mailing date of any Final Action under 1.113,
- (b) a Notice of Allowance under 1.311, **OR**
- (c) an action that otherwise closes prosecution,

**AND**, per 37 CFR 1.97(e), I hereby certify that:

- ☐ (1) each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this IDS ; **OR**
- ☐ (2) no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than 3 months prior to the filing of this IDS;

**AND**, per 37 CFR 1.97(c), this IDS is accompanied by:

- ☐ (3) payment of the fee under 37 CFR 1.17(p) to ensure consideration of the disclosed information.

- ☐ C. This IDS is being filed per 37 CFR 1.97(d), AFTER the period specified in 37 CFR 1.97(c) [section B of this IDS], and ON or BEFORE the payment of the Issue Fee;

AND, per 37 CFR 1.97(e), I hereby certify that:

- ☐ (1) each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this IDS; OR
- ☐ (2) no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than 3 months prior to the filing of this IDS;

AND, per 37 CFR 1.97(d), this IDS is accompanied by:

- ☐ (3) payment of the fee under 37 CFR 1.17(p) to ensure consideration of the disclosed information.

**Legible Copies of Listed References:**

- ☒ D. In addition to the attached listing, accompanying this IDS is a legible copy of each listed:
- (1) foreign patent document;
  - (2) pending unpublished U.S. application OR that portion of the application that caused it to be listed including any claims directed to that portion; AND
  - (3) non-patent document or that portion thereof that caused it to be listed;
  - (4) other information or that portion that caused it to be listed.
- ☐ E. Consistent with 37 CFR 1.98(d), because the IDS submitted in parent U.S. Patent Application No. \_\_\_\_, to which this application claims priority per 35 U.S.C. 120, complies with 37 CFR 1.98(a) to (c), copies of the patent documents, non-patent

**PATENT**

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documents, pending U.S. application, and other information submitted in that parent application do not accompany this IDS.

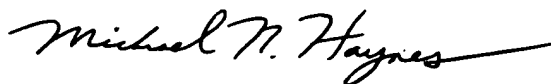
☒ N. Other: U.S. Patent No. 5,436,444 Rawson was cited in the attached search report for corresponding PCT application number PCT/US03/36680.

**CONCLUSION**

The Office is hereby authorized to charge any additional fees or credit any overpayments under 37 C.F.R. 1.16 or 1.17 to Deposit Account No. 50-2504. The Examiner is invited to contact the undersigned at 434-972-9988 to discuss any matter regarding this application.

Respectfully submitted,

Michael Haynes PLC



Date: 25 July 2005

Michael N. Haynes  
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/534,624
Filing Date	11 May 2005
First Named Inventor	Spillman, William B., Jr.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	1017-018

**U.S. PATENT DOCUMENTS**

Examiner Initials	Patent No.	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
	6,498,652	Varshneya	24 December 2002
	5,436,444	Rawson	25 July 1995
	5,291,013	Nafarrate	1 March 1994
	5,212,379	Nafarrate	18 May 1993
	5,134,281	Bryenton	28 July 1992
	5,436,444	Rawson	25 July 1995
	4,863,270	Spillman	5 September 1989
	4,843,233	Jeunhomme	27 June 1989
	4,297,684	Butter	27 October 1981
	20030095263 A1	Varshneya	22 May 2003

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Patent No.	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/534,624
		Filing Date	11 May 2005
		First Named Inventor	Spillman, William B., Jr.
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Attorney Docket Number	1017-018
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	W. B. SPILLMAN et al., "Statistical-Mode Sensor for Fiber Optic Vibration Sensing Uses", Applied Optics, 1 August 1989, pages 3166-3176, Vol. 28, No. 15.
	W. B. SPILLMAN et al., "Scaling and Antenna Gain in Integrating Fiber-Optic Sensors", Journal of Lightwave Technology, July 1995, pages 1222-1230, Vol. 13, No. 7.
	DRYER HUSTON et al., "Monitoring Micro Floor Vibrations with Distributed Fiber Optic Sensors", Part of SPIE Conference on Smart System for Bridges, Structures, and Highways, March 1999, pages 118-125, SPIE, Vol. 3671.

Examiner Signature		Date Considered	
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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